

WHAT IS CLAIMED IS:

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1. A method for optically recording  
information in a system comprising a recording and  
reading device that includes a strategy part for  
conducting a strategy when optically recording  
10 information and an information processing apparatus  
that includes a strategy information storing part  
storing the strategy information for operating said  
strategy part, said method comprising the steps of:

(a) reading said strategy information for  
15 operating said strategy part of said recording and  
reading device from said strategy information storing  
part of said information processing apparatus; and

(b) transmitting said strategy information  
read in said step (a) to said recording and reading  
20 device.

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2. The method as claimed in claim 1, further

comprising the steps of:

(c) storing said strategy information  
corresponding to device information of said recording  
and reading device and medium information of an optical  
5 recording medium to said strategy information storing  
part;

(d) transmitting the device information and  
the medium information from said recording and reading  
device to said information processing apparatus;

10 (e) reading said strategy information  
corresponding to said device information and medium  
information from said strategy information storing  
part in said information processing apparatus; and

(f) transmitting said strategy information  
15 with said medium information to said recording and  
reading device.

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3. The method as claimed in claim 2, further  
comprising the steps of:

(g) storing standard strategy information  
to said strategy storing part;

25 (h) reading said standard strategy

information and transfer said standard strategy  
information to said recording and reading apparatus  
when the strategy information corresponding the device  
information and the medium information transmitted  
5 from said recording and reading device is not stored  
in said strategy information storing part.

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4. The method as claimed in claim 2, wherein  
said medium information is read and obtained from the  
optical recording medium.

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5. The method as claimed in claim 2, wherein  
said step (h) cancels transmitting said device  
20 information and said medium information to said  
information processing apparatus when said medium  
information additionally provided to said strategy  
information stored in said strategy part corresponds  
to said medium information of said optical recording  
25 medium, and activates said strategy part to record to

the optical recording medium.

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6. The method as claimed in claim 1, wherein a plurality of data sets of the strategy information are stored in said strategy part.

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7. The method as claimed in claim 6, wherein said step (b) transmitting said strategy information is conducted just before starting recording information to said optical recording medium.

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8. The method as claimed in claim 6, further comprising the steps of:

(i) storing registration information in addition to said device information and said medium information to said strategy information storing part;

(j) transmitting said registration information additionally provided to said medium information to said recording and reading device and storing said medium information with said registration  
5 information to said strategy part, when said strategy information is transmitted from said information processing apparatus to said recording and reading device;

(k) determining said strategy information,  
10 which is stored in said strategy part, to be deleted based on said registration information stored said strategy part and deleting determined strategy information, when said strategy information transmitted from said information processing apparatus  
15 can not be stored because of a shortage of a recording capacity of said strategy: and

(l) storing said strategy information transmitted from said information processing apparatus.

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9. The method as claimed in claim 8,  
25 wherein:

said step (i) stores a registered date when said strategy information is registered, as said registration information to said strategy information storing part; and

5           said step (k) deletes said strategy information showing an oldest registered date from said strategy part.

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10. The method as claimed in claim 8, wherein said step (k) weights said registration information and deletes said strategy information  
15 based on a weight from said strategy part.

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11. The method as claimed in claim 8, further comprising the step of (m) storing a use number showing how many times the strategy information is used each time said strategy information stored in said strategy part is used when information is recorded to  
25 the optical recording medium, wherein said step (k)

determines the strategy information to be deleted based on said registration information and said use number when said strategy information is deleted.

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12. A computer-readable recording medium recorded with program code for causing a computer to optically record information in a system comprising a recording and reading device that includes a strategy part for conducting a strategy when optically recording information and an information processing apparatus that includes a strategy information storing part storing the strategy information for operating said strategy part, said program comprising the codes for:

(a) reading said strategy information for operating said strategy part of said recording and reading device from said strategy information storing part of said information processing apparatus; and

(b) transmitting said strategy information read by said code (a) to said recording and reading device.

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13. The computer-readable recording  
medium claimed in claim 12, further comprising the codes  
5 for:

(d) transmitting the device information and  
the medium information from said recording and reading  
device to said information processing apparatus;

(e) reading said strategy information;  
10 corresponding to said device information and medium  
information from said strategy information storing  
part in said information processing apparatus; and

(f) transmitting said strategy information  
with said medium information to said recording and  
15 reading device.

20 14. The computer-readable recording  
medium claimed in claim 13, further comprising the codes  
for (h) reading said standard strategy information and  
transfer said standard strategy information to said  
recording and reading apparatus when the strategy  
25 information corresponding the device information and



the medium information transmitted from said recording and reading device is not stored in said strategy information storing part.

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15. The computer-readable recording medium claimed in claim 13, wherein said medium  
10 information is read and obtained from the optical recording medium.

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16. The computer-readable recording medium claimed in claim 13, wherein said code (h) cancels transmitting said device information and said medium information to said information processing  
20 apparatus when said medium information additionally provided to said strategy information stored in said strategy part corresponds to said medium information of said optical recording medium, and activates said strategy part to record to the optical recording medium.

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17. The computer-readable recording  
5 medium claimed in claim 16, further comprising the codes  
of:

(j) transmitting said registration  
information additionally provided to said medium  
information to said recording and reading device and  
10 storing said medium information with said registration  
information to said strategy part, when said strategy  
information is transmitted from said information  
processing apparatus to said recording and reading  
device;

15 (k) determining said strategy information,  
which is stored in said strategy part, to be deleted  
based on said registration information stored said  
strategy part and deleting determined strategy  
information, when said strategy information  
20 transmitted from said information processing apparatus  
can not be stored because of a shortage of a recording  
capacity of said strategy: and

(l) storing said strategy information  
transmitted from said information processing  
25 apparatus.

5           18. The computer-readable recording  
medium claimed in claim 17, wherein:

          said code (i) stores a registered date when  
said strategy information is registered, as said  
registration information to said strategy information  
10 storing part; and

          said code (k) deletes said strategy  
information showing an oldest registered date from said  
strategy part.

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          19. The computer-readable recording  
medium claimed in claim 17, wherein said code (k)  
20 weights said registration information and deletes said  
strategy information based on a weight from said  
strategy part.

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